

Maués, Amazonas-Brazil Agrobiodiversity and Family farming

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Photos by: Gina Frausin. Produced by: Gina Frausin & Juliana Philipp, Field Museum, Chicago, USA. © Gina Frausin[ginafrausin@gmail.com]

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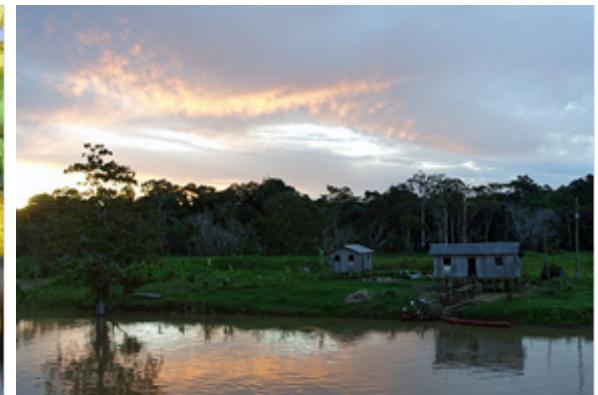
This field guide is the result of several activities undertaken by the "Sustainable Production" workgroup of the "Aliança Guaraná de Maués" (Guarana Alliance of Maués). This alliance is a multi-sectorial response to the need to develop local activities that treasure and promote agro-ecological food products and strengthen local markets, both of which support food security, family agriculture, and the local economy. Like other municipalities in the Brazilian Amazon, Maués has been experiencing the negative consequences of a transition towards industrialized food products, many of which are nutritionally poor and with a high content of fats, sugars, and preservatives. This transition has also involved a reduction in the consumption of local foods, and subsequently reduced the micro- and macro-nutritional benefits which they provide. This has contributed to an increase in cases of Chronic Non-communicable Diseases (DCNT, acronym in Portuguese) such as cardiovascular disease, cancer, and diabetes. In addition to negative health impacts, the transition is driving other losses including local diversity of plant species and varieties, which have always been essential to the traditional Amazonian diet, and knowledge about the use of these natural food resources. There is also increased dependence on external food products (i.e., products imported from other regions of Brazil), with negative impacts on local socio-productive food chains and the regional market economy. Without planting, growing, and harvesting plants to exchange and sell, rural communities have become more dependent on outside food sources and economic benefit programs in a country with fragile and unstable public policies. These dynamics generate dependence and incalculable losses for the traditional and biological diversity of the region and a reduction of resilience in the face of numerous changes to the climate and the economic landscape.



1 Guarana plantation, Maués rural area



2 Farmers Markets - fruits



3 Maués Açu river, Maués-Amazonas



4 Family farmers workshops (meetings)

Foto: Adriano Sarmento



5 Banks of the Maués Açu river, Maués-Amazonas



6 Plantation on the banks of the Maués Açu

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1 *Annona squamosa*
ANNONACEAE



2 *Ambelania acida*
APOCYNACEAE



3 *Lacistema cf. aborescens*
APOCYNACEAE



4 *Xanthosoma sagittifolium*
ARACEAE



5 *Acrocomia aculeata*
ARECACEAE



6 *Acrocomia aculeata*
ARECACEAE



7 *Astrocaryum aculeatum*
ARECACEAE



8 *Astrocaryum aculeatum*
ARECACEAE



9 *Attalea maripa*
ARECACEAE



10 *Attalea speciosa*
ARECACEAE



11 *Bactris gasipaes*
ARECACEAE



12 *Bactris gasipaes*
ARECACEAE



13 *Bactris gasipaes*
ARECACEAE



14 *Euterpe precatoria*
ARECACEAE



15 *Mauritia flexuosa*
ARECACEAE



16 *Mauritia flexuosa*
ARECACEAE



17 *Oenocarpus bacaba*
ARECACEAE



18 *Oenocarpus bacaba*
ARECACEAE



19 *Oenocarpus bataua*
ARECACEAE



20 *Oenocarpus bataua*
ARECACEAE

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41 *Bertholletia excelsa*
LECYTHIDACEAE



42 *Byrsonima* sp.
MALPIGHIACEAE



43 *Byrsonima* sp.
MALPIGHIACEAE



44 *Theobroma grandiflorum*
MALVACEAE



45 *Bellucia grossularioides*
MELASTOMATACEAE



46 *Mouriri guianensis*
MELASTOMATACEAE



47 *Eugenia stipitata*
MYRTACEAE



48 *Myrciaria dubia*
MYRTACEAE



49 *Myrciaria dubia*
MYRTACEAE



50 *Dilkea* sp.
PASSIFLORACEAE



51 *Passiflora nitida*
PASSIFLORACEAE



52 *Passiflora nitida*
PASSIFLORACEAE



53 *Genipa americana*
RUBIACEAE



54 *Paullinia cupana*
SAPINDACEAE



55 *Paullinia cupana*
SAPINDACEAE



56 *Paullinia cupana*
SAPINDACEAE



57 *Paullinia cupana*
SAPINDACEAE



58 *Pouteria caitito*
SAPOTACEAE



59 *Capsicum* sp.
SOLANACEAE



60 *Capsicum* sp.
SOLANACEAE